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# NCI-Frederick Services Catalog

## FY05 Pricing Update

*Services listed herein are available to NCI affiliated requestors on an open or limited-access "fee for service" basis. Services may also be available to non-NCI requestors; however, the listed prices are for NCI affiliated requestors and does not include a management support allocation. This charge will be assessed to non-NCI requestors and will be in addition to the listed price.*

### AIDS VACCINE PROGRAM

SAIC-Frederick

<http://ccr.cancer.gov/labs/lab.asp?labid=70>

The AIDS Vaccine Program (AVP) has pursued an integrated, multidisciplinary program of basic and applied studies aimed at the development of an effective vaccine for the prevention of HIV-1 infection and AIDS.

Item Description	FY05 Price
HIV-1 p24 PLATE, EACH	\$39.08
QUANTITATIVE MOLECULAR DIAGNOSTICS	\$60.00
REPLACEMENT ANTISERA	\$138.70
REPLACEMENT STANDARD	\$5.51
SIV p28 ANTIGEN CAPTURE KIT, EACH	\$39.08

### ANIMAL CARE & TECHNICAL SUPPORT

SAIC-Frederick

[http://web.ncifcrf.gov/rtp/lasp/ahts/hold\\_tech\\_support.asp](http://web.ncifcrf.gov/rtp/lasp/ahts/hold_tech_support.asp)

Animal Holding encompasses high-quality facilities and resources at NCI-Frederick and Bethesda, which ensure that research animals are housed, handled and cared for in a humane manner in a healthful, controlled environment.

Item Description	FY05 Price
ANIMAL HOLDING, GUINEA PIG (CAGE), PER WEEK	\$4.18
ANIMAL HOLDING, HAMSTER (CAGE), PER WEEK	\$4.18
ANIMAL HOLDING, MOUSE (CAGE/BOTTLE-BONNET), PER WEEK	\$3.40
ANIMAL HOLDING, MOUSE (CAGE/ISOLATOR), PER DIEM	\$1.84
ANIMAL HOLDING, MOUSE (CAGE/ISOLATOR), PER WEEK	\$8.59
ANIMAL HOLDING, MOUSE (CAGE/RIGID ISOLATOR), PER WEEK	\$5.76
ANIMAL HOLDING, MOUSE (CAGE/SPECIAL), PER WEEK	\$4.85
ANIMAL HOLDING, RAT (CAGE/BOTTLE-BONNET), PER WEEK	\$4.18
ANIMAL HOLDING, RAT (CAGE/ISOLATOR), PER WEEK	\$8.59

ANIMAL HOLDING, SHEEP (CAGE), PER DIEM	\$4.57
ANIMAL HOLDING, SWINE (CAGE), PER DIEM	\$9.06
CARDIAC PUNCTURE, BIOCON	\$45.00
CHICKENS, BIOCON, PER CAGE-DAY	\$7.17
DNA EXTRACTION/BLOOD, PER SAMPLE	\$4.28
DNA EXTRACTION/TAIL, PER SAMPLE	\$5.76
DNA SAMPLE COLLECTION, PER SAMPLE	\$2.00
FROG PURCHASES	\$23.50
GENOTYPING/BLOOD, PER SAMPLE	\$8.00
GENOTYPING/TAIL, PER SAMPLE	\$9.48
GUINEA PIG, BIOCON, PER DIEM ABL2	\$4.00
GUINEA PIG, BIOCON, PER DIEM, MICROISOLATOR	\$2.54
GUINEA PIG, BIOCON, PURCHASE	\$77.33
HAMSTERS, BIOCON, PER CAGE-DAY	\$1.90
INTRADERMAL INJECTIONS, BIOCON, PER INJECTION	\$20.75
IODINATION, BOLTON-HUNTER	\$817.00
IODINATION, KGF	\$162.00
IODINATION, ROUTINE	\$140.00
MICE, BIOCON, PER CAGE-DAY	\$2.09
MICE, SPECIAL CAGING, BIOCON, PER CAGE-DAY	\$1.65
PCR, PER REACTION	\$2.36
PROJECT MGMT, BIOCON, PER HOUR	\$119.00
RABBIT, BIOCON, PER CAGE-DAY	\$3.95
RATS, BIOCON, PER CAGE-DAY	\$1.73
RETRO-ORBITAL, BIOCON	\$14.00
SUBCUTANEOUS INJECTIONS, BIOCON, PER INJECTION	\$6.92
TECHNICAL SERVICES, PER HOUR	\$33.00
TECHNICAL SRVS, BIOCON, PER HOUR	\$66.16
TRANSPORTATION, BIOCON/FCRDC	\$37.49
TRANSPORTATION, PER PICK-UP	\$28.00
TRANSPORTATION, SPLIT PICK-UP	\$14.00
VETERINARY CARE, BIOCON, PER HOUR	\$130.00

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## ANIMAL CARE & TECHNICAL SUPPORT-NIH

SAIC-Frederick

<http://camp.nci.nih.gov/science/olar/asb/asbpage.htm>

Animal Holding encompasses high-quality facilities and resources at NCI-Frederick and Bethesda, which ensure that research animals are housed, handled and cared for in a humane manner in a healthful, controlled environment.

Item Description	FY05 Price
ANIMAL HOLDING, DOG (CAGE), PER DIEM	\$8.96
ANIMAL HOLDING, FROG (CAGE), PER WEEK	\$4.90
ANIMAL HOLDING, MOUSE (CAGE) BOTTLE TYPE, PER DIEM	\$0.49
ANIMAL HOLDING, MOUSE (CAGE), PER DIEM	\$0.33
ANIMAL HOLDING, MOUSE (CAGE), PER WEEK	\$2.31
ANIMAL HOLDING, PRIMATE (CAGE), PER DIEM	\$9.50
ANIMAL HOLDING, PRIMATE (RETROVIRUS), PER DIEM	\$5.52
ANIMAL HOLDING, RABBIT (CAGE), PER WEEK	\$9.93
ANIMAL HOLDING, RAT (CAGE), PER DIEM	\$0.60
ANIMAL HOLDING, RAT (CAGE), PER WEEK	\$4.18
CAT (CAGE), B14D, PER DIEM	\$0.33
RABBIT (CAGE), B14D, PER DIEM	\$1.42
TECHNICAL SERVICES, PER HOUR	\$33.00

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## ANIMAL HEALTH DIAGNOSTIC LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/ahts/>

The Animal Health Diagnostics Laboratory and Animal Molecular Diagnostics Laboratory provide comprehensive diagnostic services to monitor and maintain the health status of animal research colonies at NCI-Frederick and Bethesda.

Item Description	FY05 Price
BACTERIOLOGY, PER TEST	\$10.50
BASIC SEROLOGY SCREEN, GUINEA PIG	\$28.35
BASIC SEROLOGY SCREEN, HAMSTER	\$28.35
BASIC SEROLOGY SCREEN, MOUSE	\$51.03
BASIC SEROLOGY SCREEN, RAT	\$39.69

COMPREHENSIVE SEROLOGY SCREEN, GUINEA PIG	\$34.02
COMPREHENSIVE SEROLOGY SCREEN, MOUSE	\$107.73
COMPREHENSIVE SEROLOGY SCREEN, RAT	\$62.37
ECTOPARASITOLOGY, PER TEST	\$3.88
ENDOPARASITOLOGY, PER TEST	\$3.88
FUNGUS, PER TEST	\$10.50
HELICOBACTER CULTURE	\$22.72
HELICOBACTER PCR	\$22.72
INTERMEDIATE SEROLOGY SCREEN, GUINEA PIG	\$28.35
INTERMEDIATE SEROLOGY SCREEN, HAMSTER	\$28.35
INTERMEDIATE SEROLOGY SCREEN, MOUSE	\$73.71
INTERMEDIATE SEROLOGY SCREEN, RAT	\$45.36
LDHV TEST	\$88.96
MAP TEST	\$558.06
MOUSE ORPHAN PARVO	\$11.34
NECROPSY, PARTIAL	\$26.48
NECROSPY, COMPLETE W/ROUTINE PATHO/HISTO, GUINEA PIG	\$147.21
NECROSPY, COMPLETE W/ROUTINE PATHO/HISTO, HAMSTER	\$103.77
NECROSPY, COMPLETE W/ROUTINE PATHO/HISTO, MOUSE	\$103.77
NECROSPY, COMPLETE W/ROUTINE PATHO/HISTO, RABBIT	\$174.73
NECROSPY, COMPLETE W/ROUTINE PATHO/HISTO, RAT	\$132.73
NECROSPY, COMPLETE W/STAT PATHO/HISTO, GUINEA PIG	\$201.92
NECROSPY, COMPLETE W/STAT PATHO/HISTO, HAMSTER	\$139.08
NECROSPY, COMPLETE W/STAT PATHO/HISTO, MOUSE	\$139.42
NECROSPY, COMPLETE W/STAT PATHO/HISTO, RABBIT	\$245.35
NECROSPY, COMPLETE W/STAT PATHO/HISTO, RAT	\$181.43
PNEUMOCYSTIS CARINII PCR	\$22.72
RAP TEST	\$423.60
RAT ORPHAN PARVO	\$11.34
SEROLOGY SCREEN (NIH INTERMEDIATE), MOUSE	\$73.71
SEROLOGY SCREEN (NIH INTERMEDIATE), RAT	\$45.36
SEROLOGY SCREEN (NIH SELECT), MOUSE	\$22.68

SEROLOGY SCREEN (NIH SELECT), RAT	\$34.02
SEROLOGY SCREEN (R&Q/APPROVED), MOUSE	\$45.36
SEROLOGY SCREEN (R&Q/APPROVED), RAT	\$34.02
SEROLOGY SCREEN (R&Q/NONAPPROVED), MOUSE	\$107.73
SEROLOGY SCREEN (R&Q/NONAPPROVED), RAT	\$62.37
SEROLOGY, PER TEST	\$5.67
TISSUE W/ROUTINE PATHO/HISTO	\$80.84

## ANIMAL MOLECULAR DIAGNOSTIC LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/ahts/>

The Animal Health Diagnostics Laboratory and Animal Molecular Diagnostics Laboratory provide comprehensive diagnostic services to monitor and maintain the health status of animal research colonies at NCI-Frederick and Bethesda.

Item Description	FY05 Price
DNA EXTRACTION/BLOOD, PER SAMPLE	\$4.28
DNA EXTRACTION/TAIL, PER SAMPLE	\$5.76
FRAGMENT SEPARATION, PER PLATE	\$175.00
GENOME SCAN, GEN-1	\$994.00
GENOME SCAN, GEN-2	\$994.00
GENOME SCAN, GEN-3	\$994.00
GENOME SCAN, GEN-4	\$994.00
GENOME SCAN, GEN-5	\$994.00
GENOME SCAN, GEN-6	\$994.00
GENOTYPING/BLOOD, PER SAMPLE	\$8.00
GENOTYPING/TAIL, PER SAMPLE	\$9.48
MYCOPLASMA LUMINESCENCE, PER SAMPLE (1-4 SAMPLES)	\$28.94
MYCOPLASMA LUMINESCENCE, PER SAMPLE (5+ SAMPLES)	\$14.98
PCR, PER REACTION	\$2.36

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## ATC MICROARRAY SUPPORT

NCI CCR Core

<http://arraytracker.nci.nih.gov/>

The NCI Microarray Facility manufactures oligonucleotide and cDNA microarrays for gene expression analysis and provides both microarrays and technical training to intramural NCI investigators.

Item Description	FY05 Price
AFFYMETRIX CHIPS, CCR, HG-U133A, HG-U133B, MOE 430A, MOE 430B	\$150.00
HUMAN OLIGO, PER SLIDE	\$65.00
HUMAN U133 PLUS 2.0, CCR	\$250.00
HUMAN U133A PLUS 2.0, CCR	\$100.00
MOE430 2.0, CCR	\$250.00
MOE430A 2.0, CCR	\$100.00
MOUSE ARRAY, PER SLIDE	\$55.00
TRAINING KIT	\$650.00

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## CRYOPRESERVATION

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/cryo/>

Cryopreservation and Assisted Reproduction Laboratory specializes in the banking of unique or valuable mouse strains by preserving their frozen germplasm in liquid nitrogen (-196 degree C). Alternative techniques, including the freezing of embryos, ovaries or sperm, enable most inbred, spontaneous mutant, or genetically engineered strains to be cryopreserved while maintaining genetic background and genotype.

Item Description	FY05 Price
CRYOPRESERVATION TECHNICAL SUPPORT, PER HOUR	\$33.00
EMBRYO CRYO QC, PER STRAIN, (NON-NCI)	\$132.00
EMBRYO CRYO, PER STRAIN (50 EMBRYOS)	\$249.00
OVARY CRYO, PER STRAIN	\$514.00
OVARY CRYO, PER STRAIN, (NON-NCI)	\$604.00
SPERM CRYO, PER STRAIN	\$790.00
SPERM CRYOPRESERVATION, PER STRAIN, (NON-NCI)	\$1,330.00

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## CLINICAL SERVICES PROGRAM

SAIC-Frederick

The Clinical Services Program was founded in 1981, and currently provides a full range of dedicated laboratory and clinical support. CSP laboratories perform sequential studies of immune function in patients with cancer, AIDS, chronic granulomatous disease (CGD), or chronic fatigue syndrome (CFS) during treatment with biological response modifiers or other potential anticancer or antiviral agents. Genechip services are a dedicated service to NIAID. For further information contact Dr. William Kopp at (301) 846-1707.

Item Description	FY05 Price
1-COLOR ANTIBODY STAINING - FLOW CYTOMETRY	\$4.45
1D12 ASSAY	\$232.12
2-COLOR ANTIBODY STAINING - FLOW CYTOMETRY	\$6.99
3-COLOR ANTIBODY STAINING - FLOW CYTOMETRY	\$7.65
50 CC LEUKOPAK (DOREN) 90% HUAB FREEZE	\$141.81
50 CC LEUKOPAK, FICOLL/FREEZE-FCS MEDIA	\$126.76
BONE MARROW PREPARATION (10ml syringe)	\$37.47
BQO ANTIBODY TITRATION / BINDING ASSAY	\$196.69
CELL LINE MAINTENANCE	\$15.09
CELL PREPARATION FICOLL/FREEZE	\$40.39
CELL PREPARATION FREEZE ONLY (AVG = 12 VIALS)	\$24.24
CELL PREPARATION FREEZE ONLY (AVG = 50 VIALS)	\$63.40
CELL SORT SET-UP	\$85.64
COULTER XL DAILY QUALITY CONTROL	\$2.99
COULTER XL QUALITY CONTROL FOR CLINICAL RUNS	\$46.38
COURIER TRANSPORT, PER PICK-UP	\$40.00
COURIER TRANSPORT, SPLIT PICK-UP	\$20.00
CR1RA2 BULK TISSUE CULTURE	\$48.06
CR1RA2 THAW AND INITIAL CELL CULTURE	\$36.58
CYTOKINE INDUCTION ASSAY	\$20.93
CYTOTOXICITY ASSAY	\$826.48
EBV TRANSFORMATION	\$338.86
EFFECTOR PREP-PEPTIDE ELISPOT-LABOR ONLY	\$59.85
EFFECTOR PREP-TUMOR ELISPOT	\$5.51



EFFECTOR PREP-TUMOR ELISPOT-LABOR ONLY	\$49.87
EFFECTOR PREP-WHOLE PROTEIN ELISPOT	\$5.64
EFFECTOR PREP-WHOLE PROTEIN ELISPOT-LABOR ONLY	\$49.87
ELISPOT PLATE SCAN, COUNT & DATA ANALYSIS-LABOR ONLY	\$59.85
ENDOTOXIN ASSAY, PER STRIP	\$72.99
EOSINOPHIL ISOLATION FROM LEUKOPAK (1 x 10e9 CELLS)	\$573.07
EOSINOPHIL ISOLATION FROM LEUKOPAK (2 x 10e9 CELLS)	\$994.42
EOSINOPHIL ISOLATION FROM WHOLE BLOOD (UP TO 150ML)	\$382.49
FACSTAR PLUS QUALITY CONTROL FOR CELL SORTS	\$4.45
FLOW SAMPLE THAWING	\$5.01
IGM216 ASSAY	\$82.98
IL-2 BIOASSAY/HUMAN OR MOUSE	\$235.02
IL-3/GMCSF/GCSF BIOASSAY/HUMAN	\$163.63
IL-5 ELISA/HUMAN	\$42.79
IL-6 BIOASSAY	\$58.16
IL-7 BIOASSAY	\$245.83
IN VITRO STIMULATION FOR CD4 OR CD8 RESPONSES	\$17.03
INTERFERON BIOASSAY/HUMAN	\$162.47
INTERFERON BIOASSAY/MOUSE	\$161.58
LEUKOPAK - 90% HuAB FREEZE	\$286.72
MLR ASSAY/NO RECALL ANTIGEN	\$190.94
MLR ASSAY/RECALL ANTIGEN	\$229.08
PLASMA SEPARATION WB/PRE-FICOLL (20CC)	\$10.81
PREPARATION OF SHIPPING CONTAINERS	\$6.73
PREP-PEPTIDE ELISPOT	\$9.52
PROLIFERATION ASSAY	\$14.43
PROTEIN A ASSAY	\$174.04
REQUEST FOR SPECIMEN WITHDRAWAL	\$12.62
SERUM SEPARATION AND FREEZE (10ml)	\$16.14
SERUM SEPARATION AND FREEZE (20ml)	\$18.38
SERUM/PLASMA CRYOPRESERVATION - 15-25 CC TUBE	\$21.87
SERUM/PLASMA CRYOPRESERVATION (50CC)	\$35.40

STAINING M&S (ANTIBODY COST NOT INCLUDED)	\$2.33
STORAGE OF CELL PELLETS FROM WB/PAKS	\$7.48
TIER I HUMAN CYTOKINE TESTS, PER STRIP	\$13.33
TIER I MOUSE CYTOKINE TESTS, PER STRIP	\$17.87
TIER I RAT CYTOKINE TESTS, PER STRIP	\$13.33
TIER II HUMAN CYTOKINE TESTS, PER STRIP	\$21.77
TIER II MOUSE CYTOKINE TESTS, PER STRIP	\$21.13
TIER II RAT CYTOKINE TESTS, PER STRIP	\$21.07
TIER III HUMAN CYTOKINE TESTS, PER STRIP	\$29.75
TIER IV HUMAN CYTOKINE TESTS, PER STRIP	\$32.45
TIER IV MOUSE CYTOKINE TESTS, PER STRIP	\$30.38
TIER IV RAT CYTOKINE TESTS, PER STRIP	\$33.06
TIER V HUMAN CYTOKINE TESTS, PER STRIP	\$35.06
TIER V RAT CYTOKINE TESTS, PER STRIP	\$38.75
TIER VI HUMAN CYTOKINE TESTS, PER STRIP	\$43.97
TIER VI RAT CYTOKINE TESTS, PER STRIP	\$41.58
TNF BIOASSAY	\$194.35
TRIZOL EXTRACTION, PER 5 x 10 <sup>7</sup> CELLS	\$20.55
URINE PROCESSING	\$16.76
VALIDATED AUTOLOGOUS TUMOR IFNG-ELISPOT ASSAY-FULL	\$112.51
VALIDATED AUTOLOGOUS TUMOR IFNG-ELISPOT ASSAY-HALF	\$66.53
VALIDATED AUTOLOGOUS TUMOR IFNG-ELISPOT ASSAY-LABOR	\$106.40
VALIDATED PEPTIDE IFNG ELISPOT ASSAY	\$120.02
VALIDATED PEPTIDE IFNG ELISPOT ASSAY-LABOR ONLY	\$139.64
VALIDATED WHOLE PROTEIN IFNG ELISPOT ASSAY-FULL	\$103.37
VALIDATED WHOLE PROTEIN IFNG ELISPOT ASSAY-HALF	\$62.49
VALIDATED WHOLE PROTEIN IFNG ELISPOT ASSAY-LABOR	\$96.42
WHOLE BLOOD SEPARATION F/F (60ML) 90% HuAB FREEZE	\$51.58
WHOLE BLOOD SEPARATION FICOL ONLY (250ml)	\$87.28
WHOLE BLOOD SEPARATION FICOLL/FREEZE (1 to 15 CC)	\$35.81
WHOLE BLOOD SEPARATION FICOLL/FREEZE (120ml)	\$61.95
WHOLE BLOOD SEPARATION FICOLL/FREEZE (121 to 180 CC)	\$91.56

WHOLE BLOOD SEPARATION FICOLL/FREEZE (15ml)	\$34.09
WHOLE BLOOD SEPARATION FICOLL/FREEZE (16 to 30 CC)	\$39.32
WHOLE BLOOD SEPARATION FICOLL/FREEZE (181 to 250 CC)	\$114.93
WHOLE BLOOD SEPARATION FICOLL/FREEZE (250ml)	\$147.15
WHOLE BLOOD SEPARATION FICOLL/FREEZE (30ml)	\$37.61
WHOLE BLOOD SEPARATION FICOLL/FREEZE (31 to 60 CC)	\$44.84
WHOLE BLOOD SEPARATION FICOLL/FREEZE (60ml)	\$43.13
WHOLE BLOOD SEPARATION FICOLL/FREEZE (61 to 90 CC)	\$52.81
WHOLE BLOOD SEPARATION FICOLL/FREEZE (90ml)	\$51.10
WHOLE BLOOD SEPARATION FICOLL/FREEZE (91 to 120 CC)	\$64.09
WHOLE BLOOD/APHERESIS SEP. FICOLL ONLY(121 TO 250 CC)	\$89.85
WHOLE BLOOD/APHERESIS SEP. FICOLL ONLY(UP TO 120 CC)	\$76.46

## CSP-GENE CHIP PROCESSING

SAIC-Frederick

Item Description	FY05 Price
GENECHIP 430 2.0 CHIP	\$400.00
GENECHIP 430A CHIP	\$350.00
GENECHIP FOCUS ARRAY CHIP	\$185.00
GENECHIP MATERIALS, BASIC	\$24.34
GENECHIP TEST3	\$105.00
GENECHIP U133A	\$350.00
GENECHIP U133B	\$350.00
GENECHIP U74A	\$350.00
GENECHIP U74B	\$350.00
GENECHIP U75C	\$350.00
GENECHIP U95A	\$350.00

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**CSP-LABORATORY OF CELL  
MEDIATED IMMUNITY**

SAIC-Frederick

<b>Item Description</b>	<b>FY05 Price</b>
HUMAN CYTOKINE INDUCTION	\$577.72
SUPERNATANT READOUT FOR CYTOKINE INDUCTION, 1 PLATE	\$344.63
SUPERNATANT READOUT FOR CYTOKINE INDUCTION, 2 PLATE	\$619.43
SUPERNATANT READOUT FOR CYTOKINE INDUCTION, 3 PLATE	\$894.22
SUPERNATANT READOUT FOR CYTOKINE INDUCTION, 4 PLATE	\$1,169.02
SUPERNATANT READOUT FOR CYTOKINE INDUCTION, 5 PLATE	\$1,443.82

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**DNA SEQUENCING MINICORE FACILITY**

NCI CCR Core

<http://elsie.nci.nih.gov/abi>

The DNA Sequencing MiniCore Facility accepts samples for DNA sequencing, or microsatellite analysis, from any investigator in the Center for Cancer Research.

<b>Item Description</b>	<b>FY05 Price</b>
BULK CAPILLARY, AS-IS RUN, PER SET OF 16	\$20.00
LANE CHARGE	\$3.00
NON-NCI BULK CAPILLARY, AS IS RUN	\$40.00
NON-NCI LANE CHARGE	\$6.00
NON-NCI SEQUENCING RX ONLY	\$12.00
NON-NCI SEQUENCING RX, ELECTROPHORESIS AND DATA DEL.	\$18.00
SEQUENCING RX ONLY	\$6.00
SEQUENCING RX, ELECTROPHORESIS AND DATA DELIVERY	\$9.00
SPECIAL REQUEST CHARGE	\$1.00

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## ENVIRONMENTAL HEALTH & SAFETY

SAIC-Frederick

<http://home.ncifcrf.gov/ehs/>

The Environment, Health and Safety(formerly Safety and Environmental Protection Programs and Occupational Health Services) is dedicated to ensuring a safe, healthful, and environmentally friendly workplace for all employees and visitors to the National Cancer Institute at Frederick (NCI-Frederick).

Item Description	FY05 Price
HAZARDOUS MATERIAL COURIER SERVICE	\$30.00
RESEARCH DONAR PROGRAM SPECIMENS	

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## FLOW CYTOMETRY CORE SUPPORT

NCI CCR Core

<http://web.ncifcrf.gov/research/flow-cyto-lab.asp>

Flow cytometry (FCM) is a unique experimental technology, which provides rapid, quantitative, multi-parametric, single cell analysis and separation. The mission of the flow cytometry core encompasses two related programs. First, basic research support is provided to members of the Frederick-CCR and, on a limited basis, to investigators elsewhere at NIH. The laboratory staff also participates in the development of flow cytometry applications and resources for use in immunological research. Resource development in the lab includes advances in instrumentation, reagents, methodology and computer hardware/software.

Item Description	FY05 Price
FLOW CYTOMETRY, PER HOUR	\$40.00

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## GENE EXPRESSION LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/GEL/default.asp>

The Gene Expression Laboratory provides scientific expertise in mRNA isolation and purification from a variety of biological specimens and characterization and quantification of nucleic acids, including Real-Time PCR technology. It also provides scientific and technical expertise necessary to generate and produce recombinant adenoviruses for gene expression studies.

Item Description	FY05 Price
ADENOVIRUS PRODUCTION, PER HOUR	\$51.00
ADENOVIRUS PRODUCTION-COLUMN	\$500.00
ADENOVIRUS PRODUCTION-CSCL	\$750.00
ADENOVIRUS TITER DETERMINATION	\$250.00
MGC CELL LINE POLY A RNA, PER 5 ug	\$25.00
MGC CELL LINE RNA, PER 100ug	\$10.00
MGC-CDS CLONING	\$500.00

PLASMID PREPARATION FOR CONTROLS	\$500.00
REAL-TIME PCR LABOR, PER HOUR	\$43.00
REAL-TIME PCR, SYBR GREEN DYE, PER REACTION	\$4.00
REAL-TIME PCR, TAQMAN ASSAY, PER REACTION	\$6.00

## IMAGE ANALYSIS LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/IAL/default.asp>

The Image Analysis Laboratory (IAL) provides NCI and other investigators with state-of-the-art 3D optical (confocal) and electron microscopy facilities for imaging of living and fixed cells and tissues; computational resources for visualization and extraction of quantitative information from images; and opportunities to develop new technologies that are needed for cutting-edge cancer research.

Item Description	FY05 Price
CONFOCAL MICROSCOPY (ASSISTED), PER HOUR	\$90.00
CONFOCAL MICROSCOPY (UNASSISTED), PER HOUR	\$70.00
ELECTRON MICROSCOPY, PER HOUR	\$90.00
IMMUNO-GOLD ELECTRON MICROSCOPY, PER SAMPLE	\$720.00
NEGATIVE STAIN ANALYSIS	\$180.00
SCANNING ELECTRON MICROSCOPY, PER SAMPLE	\$405.00
TRANSMISSION ELECTRON MICROSCOPY, PER SAMPLE	\$405.00

## INTRAMURAL CYTOGENETICS

NCI CCR Core

<http://web.ncifcrf.gov/research/cytogenetics>

The Comparative Molecular Cytogenetic Core provides molecular cytogenetic support services to the NCI community. This facility aids in the assessment of structural and numerical genomic changes in cancer, pre-cancer, and cancer models. Currently service components of this core facility include, fluorescent in situ hybridization (FISH), spectral karyotyping (SKY), comparative genome hybridization (CGH), chromosome flow sorting, karyotyping, and sister chromatid exchange (SCE).

Item Description	FY05 Price
CGH (COMPARATIVE GENOME HYBRIDIZATION), PER SAMPLE	\$75.00
CHROMOSOME FLOW SORTING - HUMAN/MOUSE/RAT	\$75.00
FISH (FLOURESCENCE IN SITU HYBRIDIZATION), PER PROBE	\$50.00
FLOW KARYOTYPING, PER SAMPLE	\$200.00
G-BANDED KARYOTYPING, PER CELL LINE	\$50.00

SCE (SISTER CHROMATID EXCHANGE), PER SAMPLE	\$75.00
SKY (SPECTRAL KARYOTYPING), PER SAMPLE	\$150.00
SPLEEN CULTURES, PER SAMPLE	\$100.00

## INTRAMURAL PROTEIN CHEMISTRY

## NCI CCR Core

The Protein Chemistry Core provides NCI with expertise and experience in protein chemistry with an emphasis on the dynamic characterization of protein phosphorylation. Contact: Dr. Terry Copeland at (301) 846-1351.

Item Description	FY05 Price
2D GEL	\$50.00
AMINO ACID ANALYSIS	\$40.00
ELISA ASSAY	\$50.00
GEL STAIN OR IMMUNOBLOT	\$50.00
HPLC PEPTIDE MAP	\$25.00
N-TERMINAL PEPTIDE OR PROTEIN SEQUENCE	\$50.00
PHOSPHO AMINO ACID ANALYSIS	\$25.00

## LABORATORY OF MOLECULAR TECHNOLOGY

## SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lmt/default.asp>

The Laboratory of Molecular Technology (LMT) is an integrated molecular biology laboratory focusing on high-throughput gene discovery and analysis including advanced sequencing, genetics, genomics, and proteomics technologies, together with associated bioinformatics and information management. The LMT is focused on genomics/proteomics technology development (including software development) and the application of these technologies to a variety of independent research programs. General access to these advanced technologies is provided to the NCI community through the LMT core service laboratories as described below.

Item Description	FY05 Price
BRAF GENE EXONS 11 & 15	\$400.00
CARTRIDGE PURIFICATION/STRAND (FROM 200 nMOLE)	\$10.00
CARTRIDGE PURIFICATION/STRAND (FROM 40 nMOLE)	\$10.00
CDKN2A MUTATION ANALYSIS	\$400.00
CHEMICAL PHOSPHORYLATION PER OLIGO	\$30.00
DNA SEQUENCE RXN & ANALYSIS (1-7 SAMPLES)	\$15.00
DNA SEQUENCE RXN & ANALYSIS (1-7 SAMPLES) Non-NCI	\$25.00

DNA SEQUENCE RXN & ANALYSIS (8+ SAMPLES)	\$10.00
DNA SEQUENCE RXN & ANALYSIS (8+ SAMPLES) Non-NCI	\$15.00
DNA SEQUENCE RXN & ANALYSIS (96-WELL PLATE)	\$300.00
DNA SEQUENCE, G-50 PURIFICATION (96-WELL PLATE)	\$15.00
DNA SEQUENCE, SAP/EXO PURIFICATION (96-WELL PLATE)	\$25.00
DNA SEQUENCING, ASSEMBLY/ANALYSIS, PER HOUR	\$160.00
DNA SEQUENCING, LIBRARY, EACH	\$300.00
DNA SEQUENCING, PRIMER, PER RESIDUE	\$0.60
DYES PER OLIGO	\$45.00
GEL PURIFICATION/STRAND (FROM 1.0 nMOLE)	\$100.00
GEL PURIFICATION/STRAND (FROM 200 nMOLE)	\$50.00
GENESCAN W/O ROX STANDARDS (96-WELL PLATE)	\$100.00
GENESCAN WITH ROX STANDARDS (96-WELL PLATE)	\$175.00
HPLC PURIFICATION/STRAND (TO 9 OD UNITS)	\$60.00
K-RAS MUTATION ANALYSIS, PER SAMPLE	\$400.00
LARGE-SCALE PURIFICATION/STRAND (TO 300 OD UNITS)	\$250.00
MC1R MUTATION ANALYSIS	\$400.00
MOLECULAR DIAGNOSTICS, PER HOUR	\$72.00
MOUSE AHR GENOTYPING, DNA EXTRACTION PER SAMPLE	\$24.00
MYCOPLASMA SCREEN	\$72.00
OLIGONUCLEOTIDE SYNTHESIS/BASE (1.0 uMOLE)	\$3.00
OLIGONUCLEOTIDE SYNTHESIS/BASE (10 uMOLE)	\$20.00
OLIGONUCLEOTIDE SYNTHESIS/BASE (200 uMOLE)	\$1.75
OLIGONUCLEOTIDE SYNTHESIS/BASE (40 nMOLE)	\$1.00
P14 GENE	\$400.00
P53 GENE EXONS 5-9	\$400.00
POST-SYNTHESIS MODIFICATION	\$1.00
PRIMARY AMINES AND THIOLS PER OLIGO	\$25.00
TECHNICAL SUPPORT, PER HOUR	\$72.00
TEMPLATE PREP, RXN & ANALYSIS (96-WELL PLATE)	\$520.00
TEMPLATE PREP, RXN & ANALYSIS, (?+ 96-WELL PLATES)	\$450.00
VHL MUTATION ANALYSIS	\$400.00



VIRAL CELL LINE SCREEN PER VIRUS	\$24.00
VIRAL CELL LINE SCREEN, PER CELL LINE	\$288.00

## LABORATORY OF PROTEOMICS AND ANALYTICAL TECHNOLOGIES

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/ACL/default.asp>

The Laboratory of Proteomics and Analytical Chemistry (LPAT) provides qualitative, quantitative, and structural analyses to NCI investigators via three complementary groups:

Nuclear Magnetic Resonance (NMR)  
 Separations Technology (CE, HPLC, GC)  
 Mass Spectrometry (MS)

Item Description	FY05 Price
CHROMATOGRAPHY/SPECTROSCOPY, PER HOUR	\$85.00
IN-GEL DIGEST/MALDI-MS/DATABASE ID	\$200.00
IN-GEL DIGEST/MICRO/LC-MS/MS/DATABASE ID	\$200.00
INSTRUMENT ENGINEERING, PER HOUR	\$60.00
MASS SPECTROSCOPY, PER HOUR	\$83.00
NMR SPECTROSCOPY, PER HOUR	\$85.00
NMR SPECTROSCOPY, PER HOUR UNATTENDED	\$17.00

## PATHOLOGY/HISTOTECHNOLOGY LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/phl/>

The Pathology & Histotechnology Laboratories provide comprehensive histopathology services including animal necropsies, routine and special histological preparations, immunohistochemistry, laser capture microdissection, blood chemistry analysis, expert histopathologic evaluations and assistance in experimental design.

Item Description	FY05 Price
ADDITIONAL SLIDES (STAINED)	\$5.00
ADDITIONAL SLIDES (UNSTAINED)	\$4.00
APOPTOSIS STAIN, PER SLIDE	\$21.00
BLOCK ONLY	\$5.00
BLOOD CHEMISTRY, PER SAMPLE	\$8.00
COMPLEX SECTIONING, PER SLIDE	\$15.00

COMPLEX STAIN, PER SLIDE	\$17.50
H&E SLIDE (BLOCK)	\$6.00
H&E SLIDE, FIRST SLIDE	\$8.00
HEMATOLOGY SCREEN, PER SAMPLE	\$10.00
IMMUNOHISTOCHEMISTRY, PER SLIDE	\$21.00
NECROPSY	\$20.00
NECROPSY (COMPLEX)	\$30.00
PATHOLOGY SUPPORT, PER HOUR	\$96.00
PATHOLOGY/DIAGNOSTIC, PER SLIDE	\$7.50
PATHOLOGY/EXPERIMENTAL, PER SLIDE	\$8.50
PROFESSIONAL SUPPORT, PER HOUR	\$44.00
QUANTITATION, PER SLIDE	\$11.50
SPECIAL STAIN, ADDITIONAL SLIDES	\$6.00
SPECIAL STAIN, FIRST SLIDE	\$10.00
TECHNICAL SUPPORT, PER HOUR	\$28.00

## PROTEIN CHEMISTRY LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/PCL/default.asp>

The Protein Chemistry Laboratory (PCL) provides NCI investigators with protein identification and peptide purification capabilities. In addition, the PCL has expanded expertise to include studies of macromolecular interactions. The laboratory's major functions include:

Item Description	FY05 Price
2-D GEL ELECTROPHORESIS	\$300.00
BIOCORE ANALYSIS, PER WEEK	\$2,500.00
GLP PROTEIN SEQUENCING, SET-UP/15 CYCLES	\$1,500.00
MACROMOLECULAR INTERACTIONS, PER HOUR	\$74.00
MOLECULAR MECH-BASED SCREEN, PER HOUR	\$74.00
MOLECULAR WEIGHT/MALDI	\$30.00
MW/MALDI IN GEL DIGEST W/ROUTINE PROTEIN ID	\$200.00
MW/MALDI IN SOLUTION DIGEST W/ROUTINE PROTEIN ID	\$150.00
N-TERMINAL PROTEIN SEQUENCING, SET-UP/8 CYCLES	\$300.00
OLIGONUCLEOTIDE PURIFICATION	\$200.00

PROTEIN/PEPTIDE PURIFICATION USING HPLC	\$200.00
SAMPLE PREPARATION, PER HOUR	\$200.00

## PROTEIN EXPRESSION LABORATORY

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/PEL/default.asp>

The Protein Expression Laboratory (PEL) strives to offer scientists within the National Cancer Institute the latest technologies in:

DNA amplification, gene cloning, expression clone construction, and expression optimization  
 Growth of microbial cells for protein expression  
 Growth of eukaryotic cells for protein expression  
 Protein purification  
 Cell-free protein expression

We consult with investigators to develop an integrated solution to their protein resource issues. The PEL can execute the complete cloning, expression, scale-up, and purification process, or specific tasks within a larger project. The PEL serves scientists in other parts of the NIH on a time-available basis.

Item Description	FY05 Price
BACMID DNAS FOR BACULOVIRUS TRANSFECTION, ADD'L	\$50.00
BACMID DNAS FOR BACULOVIRUS TRANSFECTION, FIRST	\$410.00
CELL FREE PROTEIN EXPRESSION, ADDITIONAL REACTIONS	\$50.00
CELL FREE PROTEIN EXPRESSION, FIRST REACTION	\$230.00
CELL FREE PROTEIN EXPRESSION, PER HOUR	\$78.00
CLONING (PCR, SEQUENCING VERIFICATION), ADD'L GENE	\$130.00
CLONING (PCR, SEQUENCING VERIFICATION), FIRST GENE	\$850.00
EUKARYOTIC CELL PRODUCTION, PER HOUR	\$78.00
EXPRESSION LEVEL SOLUBILITY IN E. COLI, UP TO 24	\$600.00
GROW E.COLI CELLS, SHAKE FLASKS (1L), ADDN'L FLASK	\$20.00
GROW E.COLI CELLS, SHAKE FLASKS (1L), FIRST FLASK	\$260.00
GROW E.COLI IN FERMENTER (UP TO 15L)	\$1,200.00
GROW E.COLI IN FERMENTER (UP TO 60L)	\$4,300.00
GROW E.COLI IN MINIFERMENTER (2L), 1ST MINIFERMENT	\$260.00
GROW E.COLI IN MINIFERMENTER (2L), ADD'L MINIFERMENT	\$100.00
IMAC PURIFICATION & PROTEASE CLEAVAGE, 1ST PROTEIN	\$135.00
IMAC PURIFICATION & PROTEASE CLEAVAGE, ADD'L PROTEIN	\$15.00
INFECT INSECT CELLS W/BACULOVIRUS, DELIVER CELLS	\$240.00

MICROBIAL CELL PRODUCTION, PER HOUR	\$78.00
MIDIPREP DNAS FOR TRANSFECTION, ADD'L PLASMID	\$20.00
MIDIPREP DNAS FOR TRANSFECTION, FIRST PLASMID	\$380.00
PROTEIN PURIFICATION, EACH ADDITIONAL COLUMN	\$600.00
PROTEIN PURIFICATION, PER HOUR	\$78.00
PROTEIN PURIFICATION, SAMPLE PREP & FIRST COLUMN	\$960.00
SITE-DIRECTED MUTAGENESIS, 1ST MUTANT	\$745.00
SITE-DIRECTED MUTAGENESIS, ADDL MUTANT	\$145.00
SUBCLONING INTO EXPRESSION VECTORS, 1ST VECTOR	\$265.00
SUBCLONING INTO EXPRESSION VECTORS, ADD'L VECTOR	\$25.00
TRANSFECT BACMID, AMPLIFY, TITER BACULOVIRUS, DELIVER	\$800.00
VECTOR ENGINEERING, PER HOUR	\$78.00
WESTERN ANALYSIS OF PROTEIN EXPRESSION	\$450.00

## RECEIVING AND QUARANTINE

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/ahts/>

Receiving and Quarantine maintains the health quality of rodent research colonies at NCI-Frederick by quarantine of imported animals and/or rederivation of pathogen-carrying strains.

Item Description	FY05 Price
EXTENDED HOLDING (CAGE), PER DAY	\$0.49
GUINEA PIGS (CAGE), PER DAY	\$4.45
HAMSTERS (CAGE), PER DAY	\$3.42
MICE (CAGE), PER DAY	\$2.06
RABBITS (EACH), PER DAY	\$4.45
RATS (CAGE), PER DAY	\$3.42
RECEIVING & QUARANTINE ROOM, PER DAY	\$26.68
RQ PROCEDURES ROOM, PER DAY	\$26.68
RQ SMALL MICE (CAGE), PER DAY	\$1.03
TECHNICAL SERVICES/RQ, PER HOUR	\$33.00

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## REPOSITORY SERVICES

McKesson Bioservices

<http://www.ncicrf.gov/repository/cr/>

The Repository Services provide the research community at the NCI with various cryogenic services, including low-temperature storage from +4°C to -196°C, controlled-rate freezing, computerized inventory and distribution of samples.

Item Description	FY05 Price
100 VIALS-AMBIENT FLAMMABLE STORAGE	\$0.15
100 VIALS-AMBIENT VERMIN-PROOF CABINET	\$0.16
100 VIALS-CHEST (-80C)	\$1.55
100 VIALS-LN2	\$1.50
100 VIALS-UPRIGHT (-80C)	\$1.46
100 VIALS-WI (+4C)	\$0.31
100 VIALS-WI (-20C)	\$0.31
ACTIVE INPUT/WITHDRAW, PER VIAL	\$0.96
AMBIENT FLAMMABLE STORAGE	\$76.31
AMBIENT VERMIN-PROOF CABINET	\$47.44
CHEST FREEZER (-80C), PER MONTH	\$497.50
COLD ROOM (+4C), RACK-EQUIV, PER MONTH	\$4.13
LIQUID NITROGEN FREEZER, PER MONTH	\$563.75
SLOW RATE FREEZE, PER VIAL	\$0.11
STATIC, PER 100-VIAL EQUIVALENT	\$0.45
UPRIGHT FREEZER (-80C), PER MONTH	\$380.00
VIAL ARCHIVING, PER VIAL	\$1.24
WALK-IN FREEZER (-20C), RACK-EQUIV, PER MONTH	\$4.13

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## SCIENTIFIC PUBLICATIONS, GRAPHICS & MEDIA

SAIC-Frederick

<http://web.ncifcrf.gov/campus/publications/>

At Scientific Publications, Graphics & Media, our mission is to help both scientists and non-scientists at the National Cancer Institute at Frederick communicate more effectively. Our knowledgeable and experienced professionals offer a wide variety of the most effective tools and means for scientific and general communication. Whatever your needs are, we can help... with illustration, graphics and design, with photographic and digital imaging, with writing, editing and manuscript processing... all tailored to your specific requirements.

Item Description	FY05 Price
ADMINISTRATIVE SERVICES	CONTACT FOR PRICING
DESIGN/ILLUSTRATION SERVICES	
GRAPHIC PRODUCTION SERVICES	
IMAGING SERVICES	
MULTIMEDIA SERVICES	
PRINTING/REPRODUCTION SERVICES	
TECHNICAL SERVICES	
WRITING/EDITING SERVICES	

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## TRANSGENIC/KNOCKOUT MOUSE FACILITIES

SAIC-Frederick

<http://web.ncifcrf.gov/rtp/lasp/transgenic/>

The Transgenic/Knockout Mouse Facility provides expertise in the generation and characterization of genetically engineered mice. Services include production of transgenic mice by pronuclear microinjection of fertilized mouse eggs; consultation in the design of recombinant DNA constructs; and analysis of the transgene expression pattern at the RNA or protein level.

Item Description	FY05 Price
BREEDING/WEANING (BOTTLE-BONNET), PER CAGE-MONTH	\$15.00
EMBRYONIC STEM CELL INJECTION	\$3,000.00
KNOCKOUT MOUSE PRODUCTION, PER LINE	\$7,500.00
TRANSGENIC ANIMAL TECHNICAL SPT, PER HOUR	\$32.00
TRANSGENIC BREEDING/WEANING, PER CAGE-MONTH	\$12.00
TRANSGENIC LAB TECHNICAL SPT, PER HOUR	\$40.00
TRANSGENIC MOUSE PROD. SPLIT COST, (NIAID), PER LINE	\$2,981.50

TRANSGENIC MOUSE PRODUCTION (NON-NCI), PER LINE	\$5,963.00
TRANSGENIC MOUSE PRODUCTION, PER LINE	\$5,126.00